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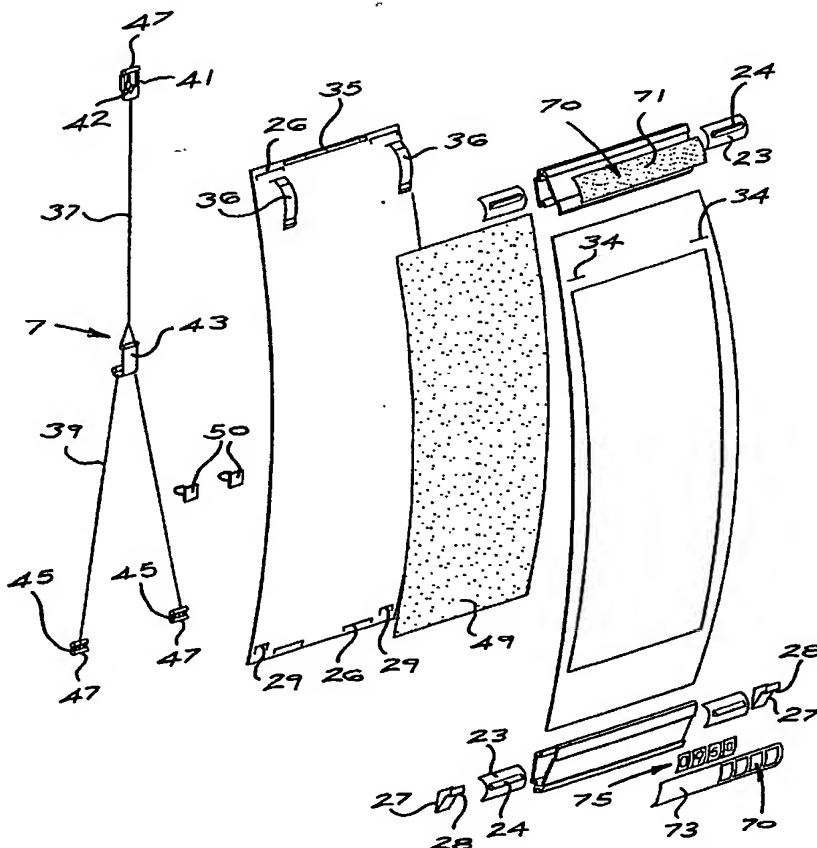
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(54) Title: DISPLAY FRAME



(57) Abstract: The invention provides a display frame comprising a backing and a cooperating flexible screen that are securable between a pair of channelled rails provided at the upper and lower edges of the backing. The lower edge of the screen is releasably securable in the channel of the lower rail to enable a poster to be easily inserted and replaced by another poster while the display frame is assembled. The backing is preferably flexibly resilient and curved from its upper to its lower edge by tensioning means secured between the channelled rails.



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DISPLAY FRAME

FIELD OF THE INVENTION

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The invention relates to a frame particularly for the display of a poster, print or the like.

BACKGROUND OF THE INVENTION

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Posters have numerous applications, one of which is advertising. The presentation of a poster is important and to this end, they are often framed. Framing also protects posters. However, framing is often cumbersome and especially so where posters are required to be changed regularly.

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The meaning of "poster" in this specification includes any sheet of display material.

OBJECT OF THE INVENTION

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It is the object of this invention to provide a display frame for posters that allows easy changing of the posters and includes other advantages that will become apparent from this specification.

SUMMARY OF THE INVENTION

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In accordance with this invention there is provided a display frame comprising a backing and a cooperating flexible screen, a pair of channeled rails with the upper and lower edges of the backing respectively securable in the channels of the

channeled rails and the upper edge of the screen secured at least adjacent to the upper edge of the backing, characterized in that the lower edge of the screen is releasably securable adjacent the backing in the channel of the lower rail with the screen located against the backing.

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Further features of the invention provide for the display frame to be configured to engage the upper end of a poster adjacent the upper edge of the screen; for the backing to be curved outwardly from its upper edge to its lower edge; and for the backing to be resiliently flexible and have tensioning means securable between the
10 channeled rails whereby the backing may be flexed against its resilience.

Further features of the invention provide for poster engaging means to be provided adjacent the upper edge of the screen; for the poster engaging means to be biased against the backing; for the poster engaging means comprises at least one resiliently
15 flexible clip; and for the screen to be located between the backing and at least a portion of the poster engaging clip.

Further features of the invention provide for screen engaging means to be provided whereby the lower edge of the screen is securable adjacent the backing; and for the
20 screen engaging means comprises at least one resiliently flexible clip securable on the lower channeled rail.

Further features of the invention provide for retaining means to be provided on the channeled rails whereby the edges of the backing are secured in the channeled rails;
25 for the retaining means comprises at least one strip of outwardly convex resilient sheet material securable within the channeled rails; for the retaining means to have outwardly extending flanges provided to extend into the channels of the rails and locatable in slots provided in the backing; and for the retaining means in the lower channeled rail is configured to engage the screen within the channeled rail.

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Further features of the invention provide for the tensioning means to comprises at least one flexible elongate element securable between the channeled rails; and for

the tensioning means to comprises a pair of flexible elongate elements securable to the channeled rails respectively and securable to each other.

Further features of the invention provide for the channeled rails to be provided with guide channels which are engageable with slides; for the guide channels of the channeled rails to be provided to generally face each other at the rear of the backing whereby the tensioning means is secured to the channeled rails by clips having slides or for the guide channels of the channeled rails to be provided at the outer edges of the channeled rails.

A further feature of the invention provides for the display frame to be securable to another display frame by a clip having a pair of slides.

A further feature of the invention provides for an information display accessory to be securable to the display frame by way of at least one slide provided on the accessory or on a clip securable to the accessory.

A further feature of the invention provides at least one of the channeled rails to have a pair of oppositely disposed ledges provided on its front side to receive a resiliently flexible panel.

These and other features of the invention will become more apparent from the description that follows.

The words "upper" and "lower" are to be understood as meaning operatively upper and lower with respect to the display frame.

BRIEF DESCRIPTION OF THE DRAWINGS

One embodiment of a display frame according to the present invention will be described, by way of example, with reference to the drawings, in which:

Figure 1 shows a front perspective view of a display frame;

Figure 2 shows a rear perspective view of the display frame shown in Figure 1;

Figure 3 shows a cross-sectional detail of the upper end of the display frame;

Figure 4 shows a cross-sectional detail of the lower end of the display frame;

Figure 5 shows an exploded view of Figure 1; and

Figure 6 shows an information display accessory secured to the lower channeled rail of a display frame.

DETAILED DESCRIPTION WITH REFERENCE TO THE DRAWINGS

Referring to Figures 1 to 6, a display frame (1) for a poster is shown. The display
5 frame (1) has a pair of oppositely disposed upper and lower channeled rails (3), a resiliently flexible backing (4), a flexible transparent screen (5) and tensioning means (7).

The channeled rails (3), see Figures 3 and 4, have a front side (9) provided on a front
10 flange (11) and a rear side (13) provided on a rear flange (15). The front (11) and rear (15) flanges have free edges, (17) and (18) respectively, and are joined by a web (19) to form a channel (21). A guide channel (22) extends along the free edge (18) of the rear flange (15). The front side (9) of the front flange (11) is inwardly stepped to provide a pair of oppositely disposed ledges (12). The ledges (12) are
15 respectively spaced apart from the free edge (17) of the front flange (11) and the web (19).

Referring to Figures 3 to 5, a retaining means (23) is located in the channel (21). The inner side of the rear flange (15) is also provided with a pair of oppositely disposed

ledges (25), each spaced apart from the free edge (18) of the flange (15) and the web (19) respectively. The retaining means is a pair of outwardly convex strips (23) of resilient sheet material biased into shape between the ledges (25). Each strip (23) has an outwardly extending flange (24) provided to extend into the channels (21) of the rails (3). The flanges (24) are formed by cutting a slit spaced apart from and parallel to the longitudinal axes of the strips (23) with transverse slits cut at the ends of the longitudinal slit to extend across the axes. The flanges (24) extend outwardly when the strips (23) are bent about the axes to be biased into shape between the ledges (25). The strips (23) are located in the channels (21) so that the flanges (24) extend towards the webs (19) and engage in slots (26) provided in the backing (4).

The flanges (24) can also be formed by cutting an arched or curved slit in the strips (23) with the centre of the slit on one side of the longitudinal axes and the ends of the slit extending across the axes.

Screen engaging means (27) are provided to be securable in the channel (21) of the lower channeled rail (3). The screen engaging means consists of a pair of flexibly resilient screen engaging clips (27) made from bent plates of suitable material, such as spring steel. Each screen engaging clip (27) has a base which extends from a first end of the clip (27). The clip (27) is bent at an acute angle at a point spaced apart from the first end to provide the base. The base is sized to be slidable between the ledges (25) but secured against withdrawal past the ledges (25). The clip (27) is cranked at a point spaced apart from the free end of the clip (27). The portion of the clip (27) between the crank and the free end is inclined towards the base to provide a screen engaging shoulder (28) which biases the screen (5) against the rear side of the front flange (11). The backing (4) is provided with a pair of openings (29) on either side of slots (26) through which the clips (27) extend to engage the screen (5) against the flange (11). Openings (not shown) may also be provided in the screen (5) for the shoulders (28) of the clips (27) to extend through and engage the inner side of the front flange (11).

The screen (5) and backing (4) are substantially coextensive with parallel upper and lower edges. The screen (5) and the backing (4) are secured to each other adjacent

to their upper ends by a strip of double sided adhesive tape (35). This can also be done using plastic rivets or any other suitable means and can also be at a point spaced apart from the upper edge.

5 Poster engaging means (36) are provided in the form of a pair of resiliently flexible poster engaging clips (36). The poster engaging clips (36) are bent at one end. This end operatively locates in the slots (26) for the flanges (24) of the retaining strips (23) adjacent the upper edge of the backing (4), respectively. This arrangement secures the clips (36) in relation to the backing (4). The other ends of the poster engaging
10 clips (36) are stepped to extend through slots (34) provided in the screen (5). The poster engaging clips (36) are curved to be flexed between the backing (4) and the screen (9) against the inner surface and free edge (17) of the front flange (11). The stepped ends of the poster engaging clips (36) bias the poster against the backing (4). The screen (5) is thus located between the portion of the clips (36) between the
15 step and the free end and the backing (4). It will be appreciated that the poster will be released by the clips (36) when the screen (5) is lifted away from the backing (4) to a sufficient degree. The poster engaging clips (36) are made from strips of spring steel, however they may also be made from any other suitable material. Where they are made from plastics material, for example, the clips (36) can be conveniently moulded
20 to shape.

The clips (36) may also have their own locating slots (not shown) to which they have a tight fit instead of using the slots (26) for the flanges (24). The portion of the clips (36) that engages the poster (49) will favourably be provided with some gripping
25 formation to facilitate frictional engagement. An outwardly extending formation to apply pressure onto the poster (49) is one example. Such a formation could simply be press formed into that portion of the clip (36).

The tensioning means (7), see Figure 5, is made up of a first (37) and a second (39)
30 flexible elongate element. The first element (37) is secured at one end to a clip (41) and at the other end to a hook (43). The clip (41) has an aperture (42). The second element (39) has each end secured to one of a pair of clips (45). The clips (41) and (45) are provided with slides (47) at their free ends. The slides (47) have an axially

sliding and transversely locking fit into the guide channels (22) of the rear flanges (15). Enlargements (not shown) provided at the outer ends of the slides (47) locate the clips (45) at the outer ends of the rear flange (15). The slide (47) of the clip (41) however has no such enlargement and can slide to a central position on the rear flange (15). The first element (37) and the second element (39) are respectively secured to the rear flanges (15) of the upper and the lower channeled rails (3) as described above. The elements (37) and (39) are of such a length that they can only be connected to each other with the backing (4) of an assembled display frame (1) flexed to curve outwardly.

The backing (4) is made from sheets of extruded plastics material. In this embodiment of the invention, the sheet material is extruded to have parallel air cores with each core sharing a common wall with an adjacent core. The material is cut so that the cores extend from the upper edge to the lower edge of the backing (4). The screen (5) is made from thin sheets of extruded plastics material. The channeled rails (3) are made from lengths of aluminium extruded in the required form. They could also be made from other materials, such as suitably hard plastics. The elongate elements (37) and (39) can be made from plastics material, wire or string. Any other suitable material may also be used.

The front side of the backing (4) may be provided with at least one support flange (not shown). This can conveniently be made of a strip of sheet material that is secured to the backing (4) spaced apart from the lower edge. An upper portion of the strip is free from the backing (4) and the lower edge of a poster (49) can be tucked behind this portion. It will be appreciated that this will locate the poster in the frame and prevent its lower edge from sliding past the flange.

The display frame (1) is assembled by holding the retaining strips (23), screen engaging clips (27) and poster engaging clips (36) in position relative to the slots (26) and (29) of the backing (4) and the slots (34) in the screen (5). The channeled rails (3) are then slid over the upper and lower edges of the backing (4) and screen (5) securing the retaining means (23), screen engaging means (27) and poster engaging means (36) in position.

The lower edge of the screen (5) can then be parted from that of the backing (4). This is done by sliding the screen (5) out of engagement with the shoulders (28) of the screen engaging clips (27) and lifting the screen (5) from the backing (4). A poster (49) is placed between them. Once the portion of the screen (5) with the slots (34) through which the stepped ends of the poster engaging clips (36) extend is lowered over the poster (49) a friction fit is exerted on the poster (49), securing it in position.

The two channeled rails (3) are then moved towards each other to flex the backing (4) against its resilience. This causes the backing (4) to be curved outwardly. The elements (37) and (39) are then connected to each other by placing the second element (39) through the hook (43) of the first element (37). The resilience of the bent backing (4) tensions the elements (37) and (39) which in turn resist the resilience. This pulls the channeled rails (3) onto the respective edges of the backing (4) holding the assembled components of the display frame (1) together in a bow configuration.

The display frame (1) can then be suspended in any convenient manner, one of which would be to hang it on a nail using the aperture (42) provided in the clip (41).

Where a large display frame (1) is to be used, a pair of eyes (50) are secured to the lower region of the backing (4). The second element (39) is threaded through the eyes (50) as shown in Figure 2 to prevent sagging of the backing (4) and maintain a more desirable generally uniform curved shape.

The pair of opposed ledges (12) on the front side (9) of the front flange (11) are suited to receive resiliently flexible panels (70) in the form of information cards (71) and screens for displaying prices (73). The information cards (71) consist of a strip of resilient material with desired information or graphics depicted thereon. The card (71) is secured between the ledges (12) under the bias of its resilience. The screens for displaying prices (73) are made of a resilient transparent strip of plastics material that is similarly secured between the ledges (12) but with price cards (75) secured and on display under the screens (73).

It is also possible to change a poster (49) without disassembling the frame (1) or even removing it from a position where it is hanging. This is done by sliding the lower end of the screen (5) out of the lower support member (3) while the backing (4) is retained in position. The screen (5) is then lifted to allow access to the poster (49) that is to be removed. A new poster (49) is positioned on the backing (4) with the upper end of the poster (49) positioned between the backing (4) and the poster engaging clips (36) which, once the portion of the screen (5) with the slots (34) is back in position, prevent the poster (49) from sliding down. This allows a person to use both hands to tuck the lower edge of the screen (5) back into the lower support member (3) to be engaged by the shoulders (28) of the screen engaging clips (27).

It will be appreciated that the retaining means (23) can be provided to bias the backing (4) and the screen (5) against the rear side of the front flange (11). The retaining strips (23) need not have flanges (24) and the backing (4) may be provided without slots (26). In this embodiment the retaining means (23) will also function as a screen engaging means (27) by biasing the backing (4) to frictionally engage the screen (5) against rear side of the front flange (11). In another embodiment where the retaining strips (23) do have flanges (24) and the backing (4) does have slots (26), the flanges (24) may be provided to frictionally engage the screen (5) against rear side of the front flange (11) of the rail (3).

As another form of poster engaging means (36), the backing (4) may be provided with a friction affording portion which faces the screen (5) spaced apart on the backing (4) from its upper edge. This friction affording portion may conveniently be a strip of sand paper which engages the poster (49) when the screen (5) lies against the outwardly curved backing (4).

Extending along the web (19) of each channeled rail (3) is a lipped guide channel (52). Referring to Figure 6, the channel (52) co-operates with a slide (54), such as the ones (47) of clips (45). In this way an display accessory (56) to the display frame (1) having a guide channel (58) at its upper edge can be suspended below the

frame (1) using clips (60) provided with a pair of outwardly oppositely facing slides (54).

5 The display accessory (56) is shown having a screen (61) and a support (62). The support (62) is rigid and has an upper and a lower edge. A pair of opposed outer flanges (63) extend forwardly, one from each of the edges of the support (62). Inwardly extending lips (64) are provided at the edges of the flanges (63). The screen (61) is resiliently flexible and forwardly convex. Its upper and lower edges are parallel. The distance between the upper and lower edges of the screen (61) is
10 slightly greater than the distance between the flanges (63) of the support (62). The screen (61) is thus sized to have a clip fit to the support (62), under the bias of its resilience against the opposed outer flanges (63). Any suitably sized information card (60) depicting desired information and/or images can be located behind the screen (61) for display.

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In this embodiment, the display accessory (56) is also used to indicate the prices of articles. A slide (64) provided along the lower edge of the support (62) cooperates with a guide channel (65) at the upper edge of a second support (66). The second support (66) also provides a pair of opposed lipped flanges (67) which are suited to
20 receive resiliently flexible panels (70) as described with reference to Figure 5.

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It will be appreciated that the display accessory (56) may take any of a number of different forms. The display accessory (56) allows for additional information to be displayed along with the poster (49) in the display frame (1).

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It will be also appreciated that the sequence of guide channels and slides as provided on interconnectable components described above can be varied. In other words, the slides can be provided on the channeled rails (3) with the guide channels on the clips or other accessories. The guide channels are however preferably made
30 from material that is sufficiently rigid to prevent the guide channels from opening.

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Furthermore, the channel (52) provided at the upper edge of the upper channeled rail (3) can be used with the clips (41) and (45), which have sliding rails, to provide alternative ways of suspending the display frame (1).

5 The display frame (1) may also have a rigid backing (4). This can be curved or planar. One advantage, however, with the resiliently flexible backing (4) as described above is that tensioning means (7) of an assembled display frame (1) can be disengaged to allow for storage or transport with the backing (4) flat. For this purpose, a spacer can be secured between the first (37) and second (39) elongate
10 members of the tensioning means (7) to hold them in position relative to each other and taut but without bending the backing (4). The spacer can be a length of cord that extends from the hook (43) of the first element (37) and has a similar hook secured at its free end for engaging the second element (39) or simply an elastic band securable between the two elements (37, 39).

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It will also be appreciated that a single component can be provided to serve as both retaining means (23) and screen engaging means (27) and that this component may also secure the upper edge of the screen (5) adjacent that of the backing (4).

20 A person skilled in the art will appreciate that there are a number of variations that may be made to the described embodiments to provide alternative embodiments that will fall within the scope of the present invention.

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CLAIMS

1. A display frame (1) comprising a backing (4) and a cooperating flexible screen (5), a pair of channeled rails (3) with the upper and lower edges of the backing (4) respectively securable in the channels (21) of the channeled rails (3) and the upper edge of the screen (5) secured at least adjacent to the upper edge of the backing (4), characterized in that the lower edge of the screen (5) is releasably securable adjacent the backing (4) in the channel (21) of the lower channeled rail (3) with the screen (5) located against the backing (4).
2. A display frame (1) as claimed in claim 1, characterized in that it is configured to engage the upper end of a poster (49) adjacent the upper edge of the screen (5).
3. A display frame (1) as claimed in any one of the preceding claims, characterized in that the backing (4) is curved outwardly from its upper edge to its lower edge.
4. A display frame (1) as claimed in claim 3, characterized in that the backing (4) is resiliently flexible and has tensioning means (7) securable between the channeled rails (3) whereby the backing (4) may be flexed against its resilience.
5. A display frame (1) as claimed in any one of the preceding claims, characterized in that poster engaging means (36) is provided adjacent the upper edge of the screen (5).
6. A display frame (1) as claimed in claim 5, characterized in that poster engaging means (36) is biased against the backing (4).
7. A display frame (1) as claimed in claim 6, characterized in that the poster engaging means comprises at least one resiliently flexible clip (36).

8. A display frame (1) as claimed in claim 7, wherein the screen (5) is located between the backing (4) and at least a portion of the poster engaging clip (36).

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9. A display frame (1) as claimed in any one of the preceding claims, characterized in that screen engaging means (27) is provided whereby the lower edge of the screen (5) is securable adjacent the backing (4).

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10. A display frame (1) as claimed in claim 9, wherein the screen engaging means comprises at least one resiliently flexible clip (27) securable in the lower channeled rail (3).

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11. A display frame (1) as claimed in any one of the preceding claims, characterized in that retaining means (23) are provided on the channeled rails (3) whereby the edges of the backing (4) are secured in the channeled rails (23).

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12. A display frame (1) as claimed in claim 11, characterized in that each retaining means comprises at least one strip (23) of outwardly convex resilient sheet material securable within the channeled rails (3).

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13. A display frame (1) as claimed in claim 11 or claim 12, characterized in that the retaining means (23) have outwardly extending flanges (24) provided to extend into the channels (21) of the rails (3) and locatable in slots (26) provided in the backing (4).

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14. A display frame (1) as claimed in any one of claims 11 to 13, characterized in that the retaining means (23) in the lower channeled rail (3) is configured to engage the screen (5) within the channeled rail (3).

15. A display frame (1) as claimed in any one of claims 4 to 14, characterized in that the tensioning means (7) comprises at least one flexible elongate element securable between the channeled rails (3).
- 5 16. A display frame (1) as claimed in claim 15, characterized in that the tensioning means (7) comprises a pair of flexible elongate elements (37, 39) securable to the channeled rails (3) respectively and securable to each other.
- 10 17. A display frame (1) as claimed in any one of the preceding claims, characterized in that the channeled rails (3) are provided with guide channels (22, 52) which are engageable with slides (47,54).
- 15 18. A display frame (1) as claimed in claim 17, characterized in that the guide channels (22, 52) of the channeled rails (3) are provided to generally face each other at the rear of the backing (4) whereby the tensioning means (7) is secured to the channeled rails (3) by clips (41, 45) having slides (47).
- 20 19. A display frame (1) as claimed in claim 17, characterized in that the guide channels (41, 45) of the channeled rails (3) are provided at the outer edges of the channeled rails (3).
- 25 20. A display frame (1) as claimed in claim 19, which is securable to another display frame (1) by a clip (60) having a pair of slides (54).
- 30 21. A display frame (1) as claimed in claim 19 or claim 20, characterized in that a display accessory (56) is securable to it by way of at least one slide (54) provided on the accessory (56) or on a clip (60) securable to the accessory (56).
22. A display frame (1) as claimed in any one of the preceding claims, characterized in that at least one of the channeled rails (3) has a pair of

oppositely disposed ledges (12) provided on its front side to receive a resiliently flexible panel (70).

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AMENDED CLAIMS

[Received by the International Bureau on 17 September 2003 (17.09.03); original claims 1-22 replaced by new claims 1-39 (6 pages)]

1. A display frame (1) comprising a backing (4) with a front side against which a poster (49) is securable and a pair of channeled rails (3) with the upper and lower edges of the backing (4) securable in the channels (21) of the channeled rails (3), the backing (4) being resiliently flexible with tensioning means (7) securable between the channeled rails (21) on the rear side of the backing (4) whereby the backing (4) may be flexed outwardly against its resilience, characterized in that it includes means (23, 27) provided on the channeled rails (3) whereby the backing is securable in the channels (21) and a flexible screen (5) and/or poster (49) are securable against the backing (4).
2. A display frame (1) as claimed in claim 1, characterized in that the means includes retaining means (23) to secure the backing in the channels (21) and screen engaging means (27) to secure the screen (5) and/or a poster (49) in the channels (21) against the backing (4).
3. A display frame (1) as claimed in claim 1 or claim 2, characterized in that poster engaging means (36) is provided at least adjacent the upper edge of the backing (4).
4. A display frame (1) as claimed in any one of claims 1 to 3, characterized in that it includes a flexible screen (5) securable against the backing (4) with a poster (49) being securable between the backing (4) and the screen (5).
5. A display frame (1) as claimed in any one of claims 1 to 4, characterized in that the tensioning means comprises at least one elongate flexible element (37, 39).

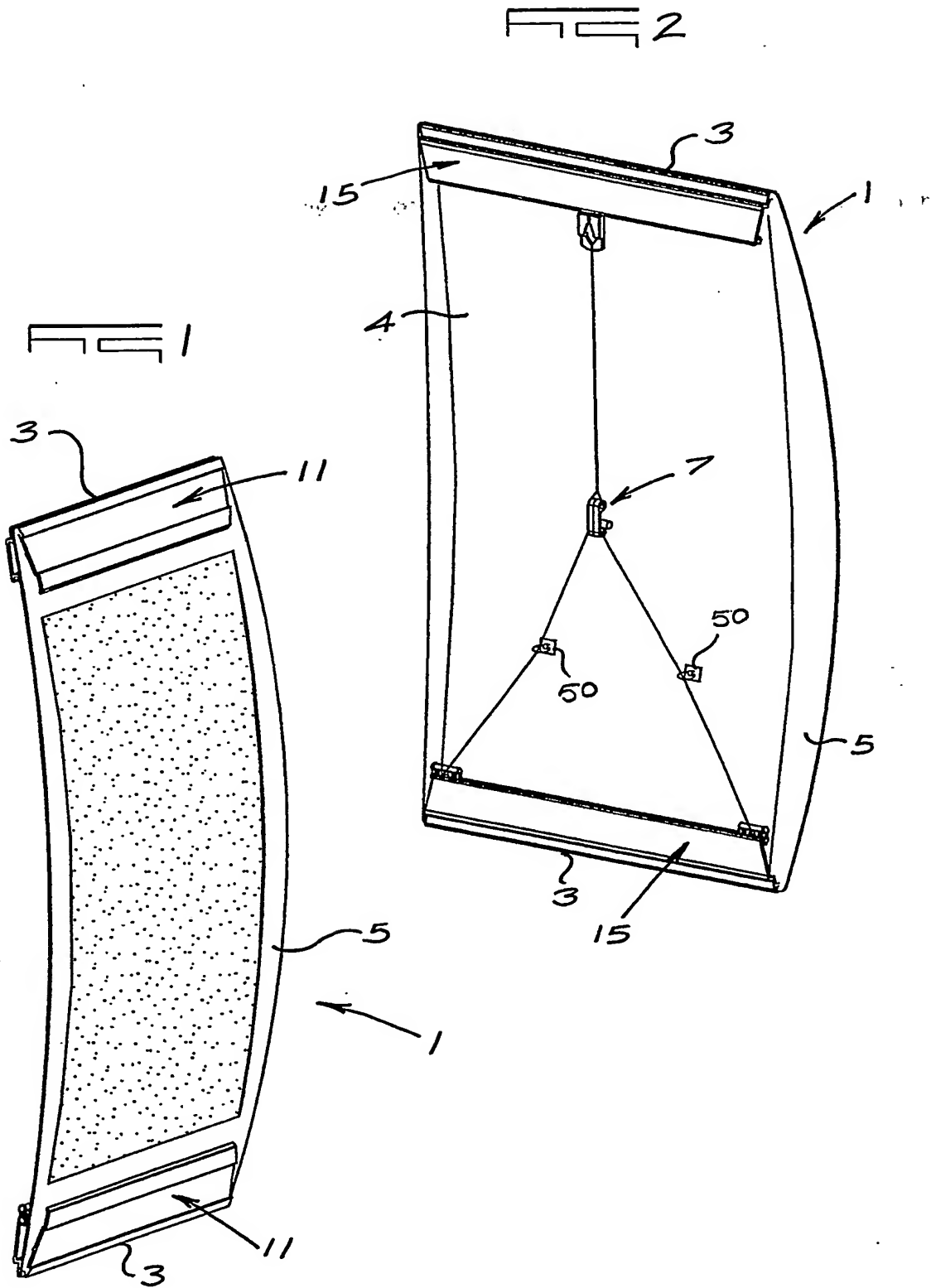
6. A display frame (1) as claimed in claim 5, characterized in that the elongate flexible element (37, 39) is releasably securable between the channeled rails (3).
7. A display frame (1) as claimed in any one of claims 2 to 6, characterized in that the retaining means (23) and/or screen engaging means (27) are provided by a resiliently flexible clip (27) located within the channels (21) of the channeled rails (3).
8. A display frame (1) as claimed in any one of claims 2 to 6, characterized in that the retaining means (23) and/or screen engaging means (27) are provided by at least one strip (23) of outwardly convex resilient sheet material located within the channels (21) of the channeled rails (3).
9. A display frame (1) as claimed in claim 8, characterized in that the strip (23) of material has an outwardly extending flange (24) provided to extend into the channel (21) of the rail (3) and through a slot (26) provided in the backing (4).
10. A display frame (1) as claimed in any one of claims 1 to 9, characterized in that poster engaging means (36) securable within the channels (21) of the channeled rails (3) is biased against the front side backing (4).
11. A display frame (1) as claimed in claim 10, characterized in that the poster engaging means comprises at least one resiliently flexible poster engaging clip (36).
12. A display frame (1) as claimed in claim 11, characterized in that at least a portion of the screen (5) is located between the backing (4) and at least a portion of the poster engaging clip (36).

13. A display frame (1) as claimed in any one of claims 2 to 12, characterized in that screen engaging means (27) is provided whereby at least the lower edge of the screen (5) is removably securable adjacent the backing (4).
14. A display frame (1) comprising a backing (4) and a flexible screen (5) securable against the backing (4), a pair of channeled rails (3) with the upper and lower edges of the backing (4) respectively securable in the channels (21) of the channeled rails (3), the backing (4) being resiliently flexible with tensioning means (7) securable between the channeled rails (21) on the rear side of the backing (4) whereby the backing (4) may be flexed outwardly against its resilience, characterized in that the tensioning means comprises at least one elongate flexible element (37, 39).
15. A display frame (1) as claimed in claim 14, characterized in that the elongate flexible element (37, 39) is releasably securable between the channeled rails (3).
16. A display frame (1) as claimed in claim 15, characterized in that a pair of elongate elements (37, 39) are securable between the channeled rails (3) respectively and releasably securable to each other.
17. A display frame (1) comprising a backing (4) and a flexible screen (5) securable against the backing (4), a pair of channeled rails (3) with the upper and lower edges of the backing (4) respectively securable in the channels (21) of the channeled rails (3) and the upper edge of the screen (5) secured at least adjacent to the upper edge of the backing (4), characterized in that the lower edge of the screen (5) is releasably securable adjacent the backing (4) in the channel (21) of the lower channeled rail (3).

18. A display frame (1) as claimed in claim 17, characterized in that it is configured to engage the upper end of a poster (49) adjacent the upper edge of the screen (5).
19. A display frame (1) as claimed in claim 17 or claim 18, characterized in that the backing (4) is curved outwardly from its upper edge to its lower edge.
20. A display frame (1) as claimed in claim 19, characterized in that the backing (4) is resiliently flexible and has tensioning means (7) securable between the channeled rails (3) whereby the backing (4) is flexed against its resilience.
21. A display frame (1) as claimed in any one of claims 17 to 20, characterized in that the tensioning means comprises at least one elongate flexible element (37, 39).
22. A display frame (1) as claimed in claim 21, characterized in that the elongate flexible element (37, 39) is releasably securable between the channeled rails (3).
23. A display frame (1) as claimed in any one of claims 17 to 22, characterized in that poster engaging means (36) is provided at least adjacent the upper edge of the backing (4).
24. A display frame (1) as claimed in claim 23, characterized in that poster engaging means (36) is biased against the backing (4).
25. A display frame (1) as claimed in claim 24, characterized in that the poster engaging means comprises at least one resiliently flexible poster engaging clip (36).

26. A display frame (1) as claimed in claim 25, characterized in that at least a portion of the screen (5) is located between the backing (4) and at least a portion of the poster engaging clip (36).
27. A display frame (1) as claimed in any one of claims 17 to 26, characterized in that screen engaging means (27) is provided whereby at least the lower edge of the screen (5) is releasably securable adjacent the backing (4).
28. A display frame (1) as claimed in claim 27, characterized in that the screen engaging means comprises at least one resiliently flexible clip (27) provided on at least the lower channeled rail (3).
29. A display frame (1) as claimed in claim 27 or 28, characterized in that the screen engaging means is configured to engage the backing (4) within the channeled rail (3).
30. A display frame (1) as claimed in any one of claims 17 to 29, characterized in that retaining means (23) are provided on the channeled rails (3) whereby the edges of the backing (4) are secured in the channeled rails (23).
31. A display frame (1) as claimed in claim 30, characterized in that each retaining means comprises at least one strip (23) of outwardly convex resilient sheet material securable within the channels (21) of the channeled rails (3).
32. A display frame (1) as claimed in claim 30 or claim 31, characterized in that the retaining means (23) have outwardly extending flanges (24) provided to extend into the channels (21) of the rails (3) through slots (26) provided in the backing (4).

33. A display frame (1) as claimed in any one of claims 30 to 32, characterized in that the retaining means (23) of the lower channeled rail (3) is configured to engage the screen (5) within the channeled rail (3).
34. A display frame (1) as claimed in any one of the preceding claims, characterized in that the channeled rails (3) are configured to be secured to those of another display frame (1) and/or to a display accessory (56).
35. A display frame (1) as claimed in claim 34, characterized in that the channeled rails (3) are provided with guide channels (52) which are engageable with slides (54).
36. A display frame (1) as claimed in claim 35, which is securable to another display frame (1) by a clip (60) having a pair of slides (54).
37. A display frame (1) as claimed in any one of the preceding claims, characterized in that a display accessory (56) is secured to at least one of the channeled rails (3).
38. A display frame (1) as claimed in claim 37, characterized in that the display accessory (56) is securable to it by at least one slide (54) provided on the accessory (56) or on a clip (60) securable to the accessory (56) which slide (54) is engageable with a guide channel (52) provided on the channeled rail (3).
39. A display frame (1) as claimed in any one of the preceding claims, characterized in that at least one of the channeled rails (3) has a pair of oppositely disposed ledges (12) provided thereon to receive a resiliently flexible panel (70).



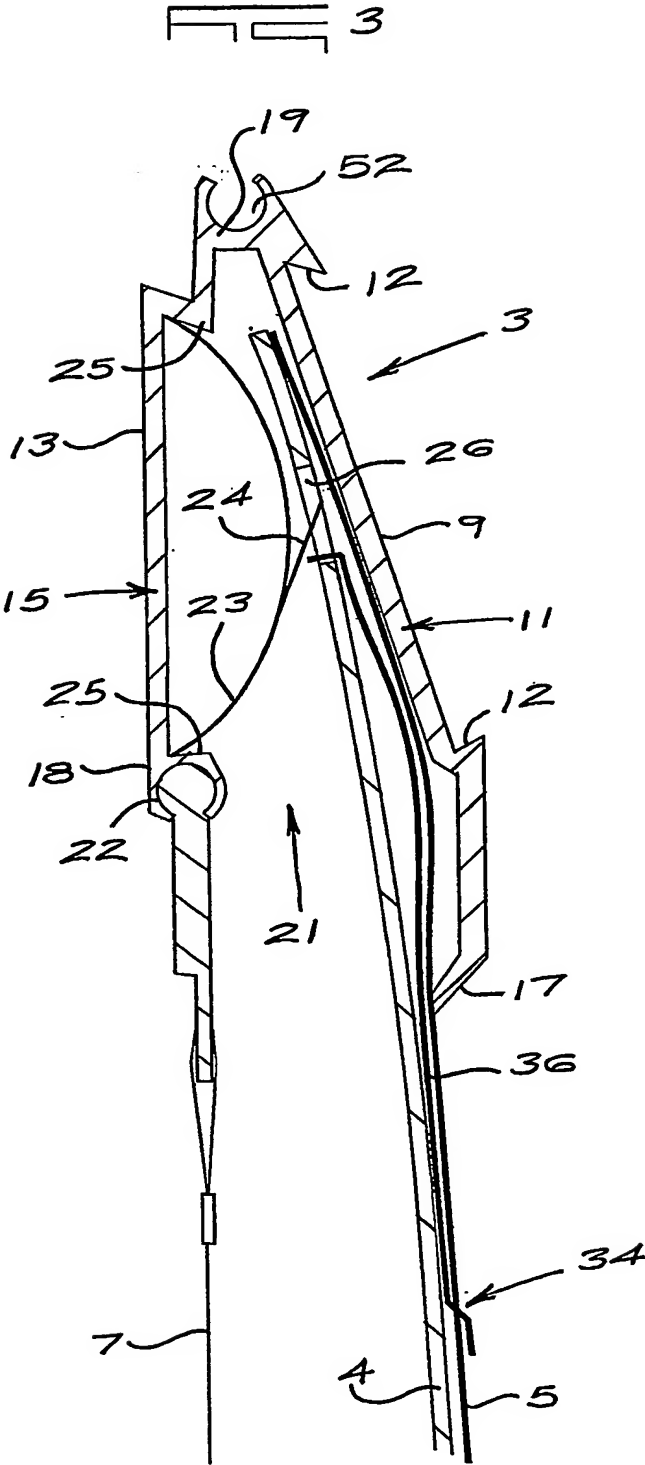


FIG 4

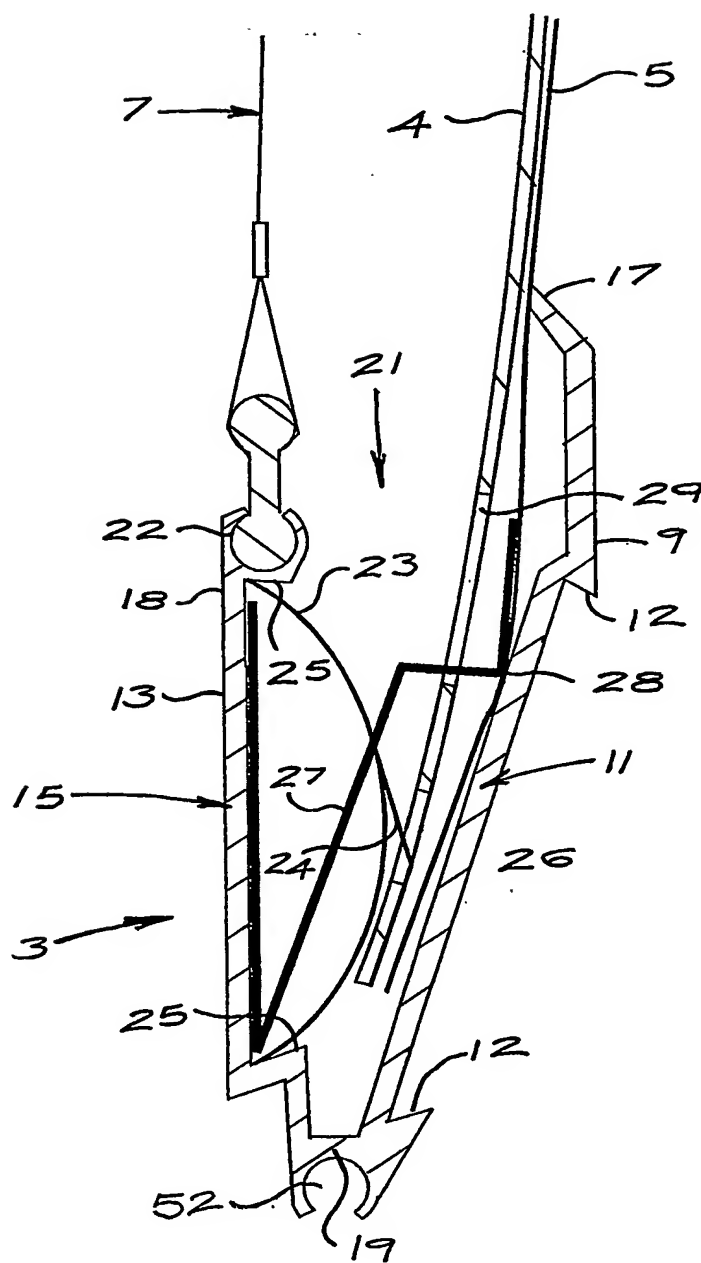


FIG 5

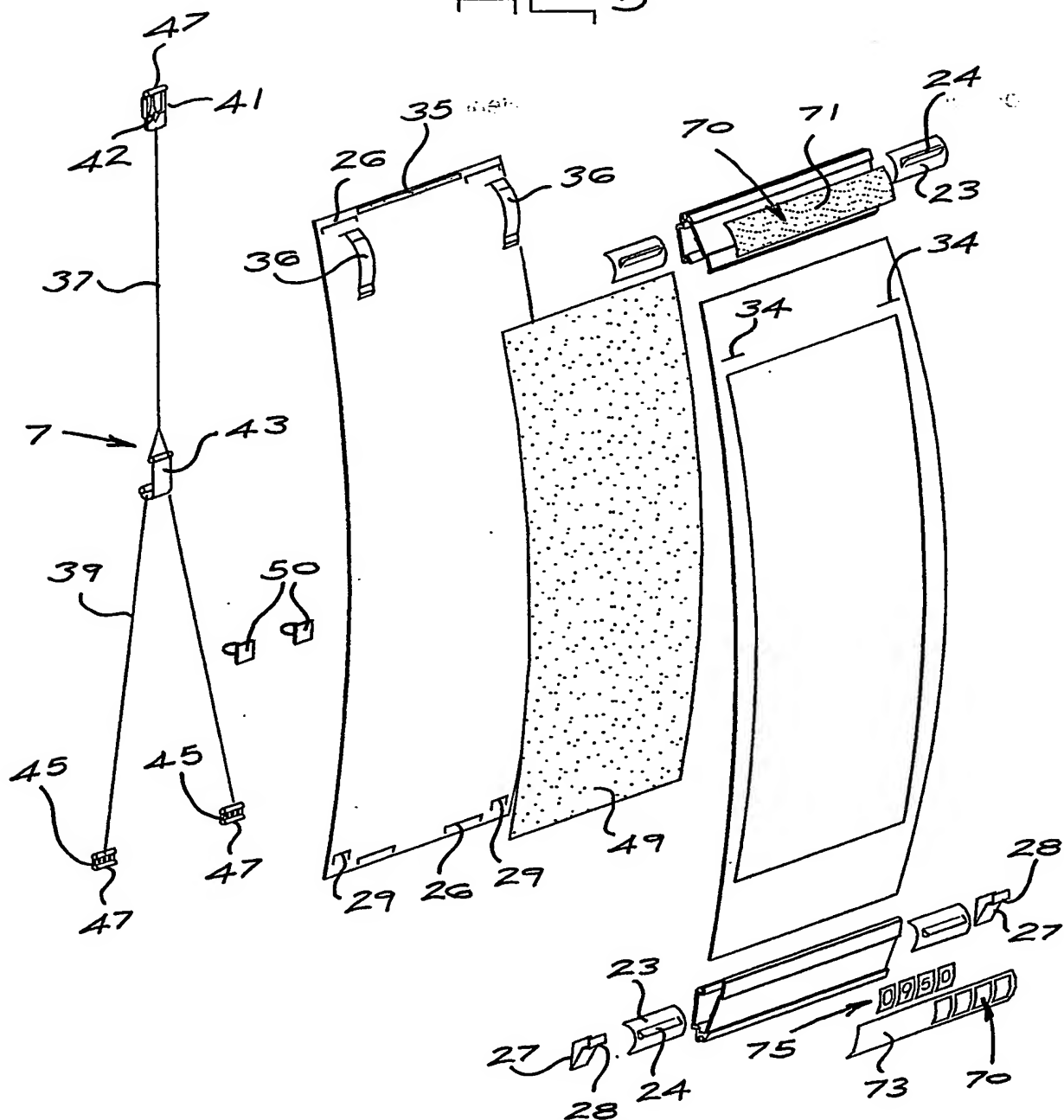
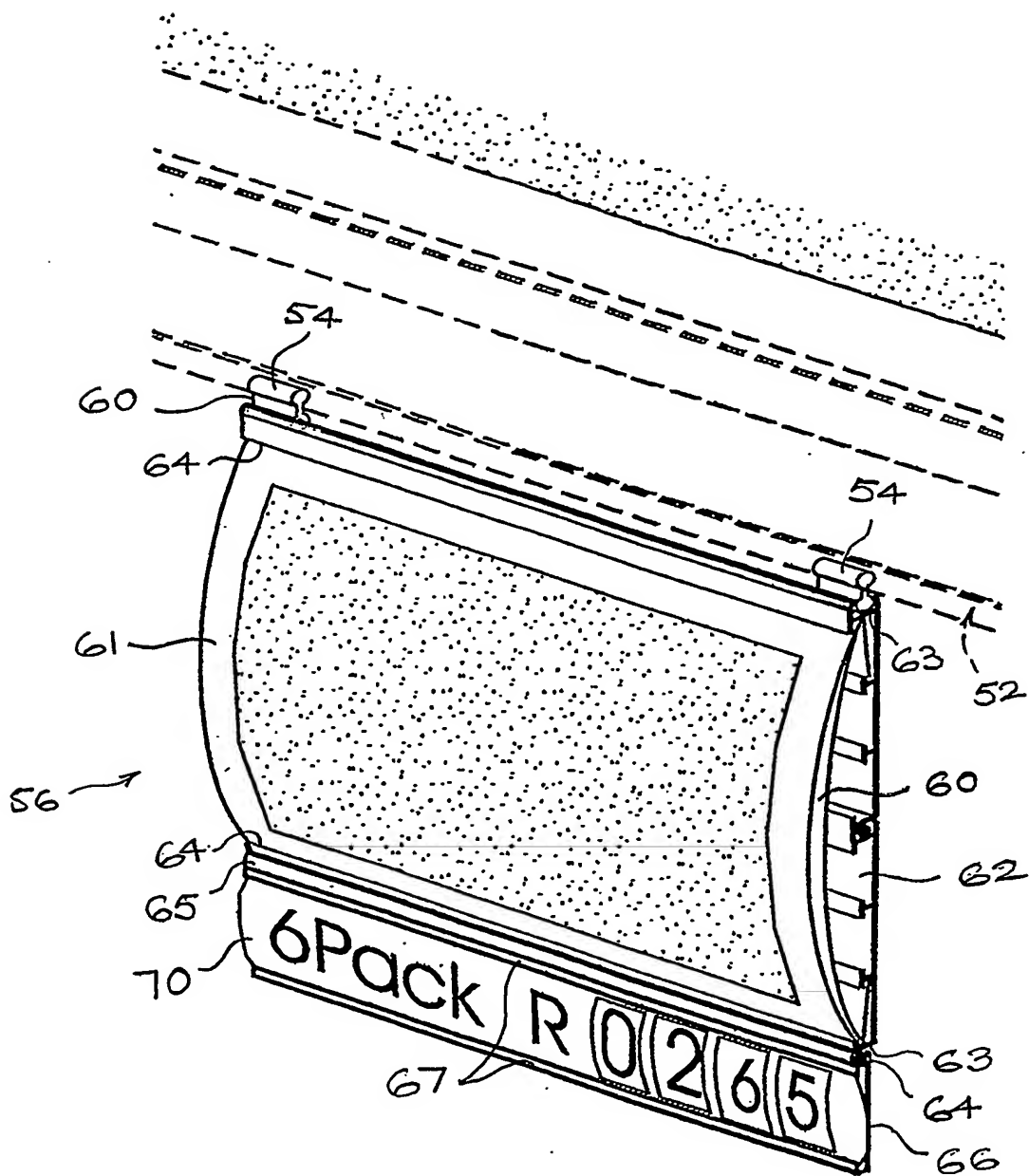


FIG 6



INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB 03/01165

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G09F15/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G09F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 297 05 606 U (J.BRUCKNER) 31 July 1997 (1997-07-31) page 4 -page 5; figures 1-4 ---	1-4, 11
X	DE 296 18 248 U (INFOPLUS RIEGER & BLINDOW GMBH) 13 February 1997 (1997-02-13) page 7 -page 11; figures 1-4 ---	1-4, 11
A	US 1 699 735 A (C.M.DABROHUA ET AL) 22 January 1929 (1929-01-22) page 1 -page 3; figures 1-10 -----	1, 3, 4, 15, 16

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

8 July 2003

Date of mailing of the international search report

17/07/2003

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB 03/01165

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			AT 57296 A	15-02-1998
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US 1699735	A	22-01-1929	NONE	